

(FILE 'HOME' ENTERED AT 07:49:32 ON 01 NOV 1999)

FILE 'USPATFULL, JAPIO, COMPENDEX' ENTERED AT 07:54:16 ON 01 NOV 1999

L1 5337 S LOAD(3W)BALANC###
L2 2926 S CONNECT###(3W)IDENTIF###
L3 3911 S LOOP(3A)PREVENT###
L4 5160 S CONNECT###(3A)IDENTIF###
L5 2 S L1(P)(L2 OR L4)(P)L3
L6 104863 S (ATM OR FDDI OR ISDN OR WIRELESS OR BROADBAND)
L7 19 S L1 AND L2 AND L6
L8 1 S L3 AND L7
L9 1 S L6 AND L3 AND L7

=> s (single or unique or universal or uniform or generic or aggregate#)(3w)(connection or interface or bandwidth or channel or link or path or route or routing)

L10 47796 (SINGLE OR UNIQUE OR UNIVERSAL OR UNIFORM OR GENERIC OR AGGREGAT
E#)(3W)(CONNECTION OR INTERFACE OR BANDWIDTH OR CHANNEL OR
LINK
OR PATH OR ROUTE OR ROUTING)

=> s l4 and l10

L11 815 L4 AND L10

=> s l6 and l11

L12 333 L6 AND L11

=> s l1 and l12

L13 17 L1 AND L12

=> d 1-17

L13 ANSWER 1 OF 17 USPATFULL
AN 1999:97721 USPATFULL
TI Network supporting roaming, sleeping terminals
IN Gollnick, Charles D., Cedar Rapids, IA, United States
Luse, Ronald E., Marion, IA, United States
Pavek, John G., Cedar Rapids, IA, United States
Sojka, Marvin L., Cedar Rapids, IA, United States
Cnossen, James D., Marion, IA, United States
Danielson, Arvin D., Cedar Rapids, IA, United States
Mahany, Ronald L., Cedar Rapids, IA, United States
Detweiler, Mary L., Parnell, IA, United States
Spiess, Gary N., Lisbon, IA, United States

yes no
- load balance #
- high speed
- connect ID
- single unrec

West, Guy J., Cedar Rapids, IA, United States
Young, Amos D., Cedar Rapids, IA, United States
Meier, Robert C., Cedar Rapids, IA, United States
Cargin, Jr., Keith K., Cedar Rapids, IA, United States
Arensdorf, Richard C., Ely, IA, United States
Geers, Robert G., Cedar Rapids, IA, United States

PA Norand Corporation, IA, United States (U.S. corporation)
PI US 5940771 19990817
AI US 1995-545108 19951019 (8)

RLI Continuation of Ser. No. US 1992-947102, filed on 14 Sep 1992, now abandoned And a continuation of Ser. No. US 1992-907927, filed on 30 Jun 1992, now abandoned which is a continuation-in-part of Ser. No. US 1992-857603, filed on 30 Mar 1992, now abandoned which is a continuation-in-part of Ser. No. US 1991-700704, filed on 14 May 1991, now abandoned which is a continuation-in-part of Ser. No. US 1991-699818, filed on 13 May 1991, now abandoned

DT Utility
LN.CNT 3277
INCL INCLM: 455/517.000
INCLS: 455/524.000; 455/343.000; 370/311.000
NCL NCLM: 455/517.000
NCLS: 370/311.000; 455/343.000; 455/524.000
IC [6]
ICM: H04B007-26
EXF 455/38.1; 455/38.3; 455/50.1; 455/54.1; 455/56.1; 455/63; 455/343; 455/517; 455/501; 455/524; 455/574; 455/575; 370/95.1; 370/280; 370/311; 370/338

L13 ANSWER 2 OF 17 USPATFULL
AN 1999:89986 USPATFULL
TI Parallel connection control
IN Choudhury, Gagan Lal, Aberdeen, NJ, United States
Kshirsagar, Madhukar Moreshwar, Morganville, NJ, United States
Veeraraghavan, Malathi, Atlantic Highlands, NJ, United States
PA Lucent Technologies Inc., Murray Hill, NJ, United States (U.S. corporation)
PI US 5933412 19990803
AI US 1996-622716 19960326 (8)
RLI Continuation-in-part of Ser. No. US 1994-324427, filed on 17 Oct 1994, now patented, Pat. No. US 5659544, issued on 19 Aug 1997

DT Utility
LN.CNT 1673
INCL INCLM: 370/218.000
INCLS: 370/231.000; 370/236.000; 370/397.000
NCL NCLM: 370/218.000

NCLS: 370/231.000; 370/236.000; 370/397.000

IC [6]

ICM: H04J003-14

ICS: H04L012-56

EXF 370/217; 370/218; 370/219; 370/220; 370/229; 370/230; 370/231; 370/235;
370/236; 370/355; 370/386; 370/388; 370/389; 370/395; 370/396; 370/397;
370/400; 370/401; 370/409; 370/410; 370/905; 395/200.57; 395/200.58;
395/200.59; 395/200.6; 395/200.79

L13 ANSWER 3 OF 17 USPATFULL

AN 1999:76551 USPATFULL

TI Method of automatic updating and use of routing information by
programmable and manual routing information configuration based on least
lost routing

IN Masters, Steven Paul, Kent, WA, United States
Lockard, Eric Neil, Redmond, WA, United States

PA Microsoft Corporation, Redmond, WA, United States (U.S. corporation)

PI US 5920697 19990706

AI US 1996-680232 19960711 (8)

DT Utility

LN.CNT 1154

INCL INCLM: 395/200.490

NCL NCLM: 709/219.000

IC [6]

ICM: G06F013-00

EXF 395/200.71; 395/200.72; 395/200.31; 395/200.35; 395/200.33; 395/200.47;
395/200.49; 395/200.34; 395/200.39; 395/200.48; 395/200.59; 395/200.6;
395/680

L13 ANSWER 4 OF 17 USPATFULL

AN 1999:31801 USPATFULL

TI Analysis and validation system for provisioning network related
facilities

IN Farris, Robert D., Sterling, VA, United States
Harper, Myron E., Burtonsville, MD, United States

PA Bell Atlantic Network Services, Inc., Arlington, VA, United States (U.S.
corporation)

PI US 5881131 19990309

AI US 1997-884616 19970627 (8)

RLI Continuation-in-part of Ser. No. US 1995-467646, filed on 6 Jun 1995,
now patented, Pat. No. US 5644619 And a continuation-in-part of Ser. No.
US 1995-376201, filed on 20 Jan 1995, now patented, Pat. No. US 5491742
And a continuation-in-part of Ser. No. US 1993-152360, filed on 16 Nov
1993, now patented, Pat. No. US 5416833

DT Utility

LN.CNT 3686

INCL INCLM: 379/027.000

INCLS: 379/201.000; 379/207.000; 379/265.000; 370/259.000

NCL NCLM: 379/027.000

NCLS: 370/259.000; 379/201.000; 379/207.000; 379/265.000

IC [6]

ICM: H04M001-24

ICS: H04M003-08; H04M003-22

EXF 379/27; 379/34; 379/111-112; 379/115; 379/121; 379/134; 379/140;

379/196-197; 379/207; 379/219; 379/229; 379/242; 379/243; 379/265;

379/308; 379/201; 379/93; 379/211-212; 379/230; 370/351; 370/352;

370/389-390; 370/392; 370/259

L13 ANSWER 5 OF 17 USPATFULL

AN 1999:22898 USPATFULL

TI Load balancing between E-mail servers within a local area network

IN Masters, Steven Paul, Kent, WA, United States

Lockard, Eric Neil, Redmond, WA, United States

PA Microsoft Corporation, Redmond, WA, United States (U.S. corporation)

PI US 5872930 19990216

AI US 1996-680233 19960711 (8)

DT Utility

LN.CNT 1052

INCL INCLM: 395/200.530

INCLS: 370/228.000

NCL NCLM: 709/223.000

NCLS: 370/228.000

IC [6]

ICM: H04L012-56

EXF 395/200.53; 395/200.36; 370/253; 370/901; 370/438

L13 ANSWER 6 OF 17 USPATFULL

AN 1999:22743 USPATFULL

TI Virtual trees routing protocol for an ATM-based mobile network

IN Katzela, Irene, New York, NY, United States

Veeraraghavan, Malathi, Atlantic Highlands, NJ, United States

PA Lucent Technologies Inc., Murray Hill, NJ, United States (U.S. corporation)

PI US 5872773 19990216

AI US 1996-650097 19960517 (8)

DT Utility

LN.CNT 1529

INCL INCLM: 370/256.000

INCLS: 370/408.000; 370/409.000; 370/399.000

NCL NCLM: 370/256.000

NCLS: 370/399.000; 370/408.000; 370/409.000

IC [6]

ICM: H04L012-44

EXF 370/203; 370/254; 370/255; 370/256; 370/257; 370/258; 370/351; 370/389;
370/395; 370/392; 370/400; 370/401; 370/402; 370/403; 370/404; 370/405;
370/409; 370/410; 370/408; 370/399; 370/252; 370/310; 370/315; 370/328;
370/338; 370/349; 370/398; 340/825.03; 340/826

L13 ANSWER 7 OF 17 USPATFULL

AN 1999:17023 USPATFULL

TI Method and apparatus for emulating a digital cross-connect switch
network using a flexible topology to test MCS network management

IN McLain, Jr., John V., Colorado Springs, CO, United States

PA MCI Communications Corporation, Washington, DC, United States (U.S.
corporation)

PI US 5867689 19990202

AI US 1996-641461 19960501 (8)

DT Utility

LN.CNT 1549

INCL INCLM: 395/500.000

NCL NCLM: 395/500.440

IC [6]

ICM: G06F009-44

EXF 370/241; 370/242; 370/244; 370/250; 370/251; 370/252; 370/248; 370/249;
340/825.03; 340/826; 340/827; 364/550; 364/578; 395/500; 395/183.04;
395/183.05; 395/183.08; 395/183.09

L13 ANSWER 8 OF 17 USPATFULL

AN 1999:16830 USPATFULL

TI System, method and article of manufacture for communications utilizing
calling, plans in a hybrid network

IN Elliott, Isaac K., Colorado Springs, CO, United States
Krishnaswamy, Sridhar, Cedar Rapids, IA, United States

PA MCI Communications Corporations, Washington, DC, United States (U.S.
corporation)

PI US 5867495 19990202

AI US 1996-758734 19961118 (8)

DT Utility

LN.CNT 12334

INCL INCLM: 370/352.000

INCLS: 370/389.000; 370/392.000; 379/090.010; 379/093.070; 379/114.000;
379/144.000

NCL NCLM: 370/352.000

NCLS: 370/389.000; 370/392.000; 379/090.010; 379/093.070; 379/114.000;

379/144.000

IC [6]

ICM: H04L012-66

ICS: H04L012-28; H04L012-56; H04M015-00

EXF 370/352; 370/383; 370/389; 370/390; 370/392; 370/401; 370/410; 370/408;
379/89; 379/90.01; 379/100.11; 379/114; 379/100.13; 379/93.08;
379/93.07; 379/93.14; 379/93.29; 379/144

L13 ANSWER 9 OF 17 USPATFULL

AN 1999:16829 USPATFULL

TI System, method and article of manufacture with integrated video conferencing billing in a communication system architecture

IN Krishnaswamy, Sridhar, Cedar Rapids, IA, United States
Elliott, Isaac K., Colorado Springs, CO, United States
Reynolds, Tim E., Iowa City, IA, United States
Forgy, Glen A., Iowa City, IA, United States
Solbrig, Erin M., Cedar Rapids, IA, United States

PA MCI Communication Corporation, Washington, DC, United States (U.S. corporation)

PI US 5867494 19990202

AI US 1996-752271 19961118 (8)

DT Utility

LN.CNT 16241

INCL INCLM: 370/352.000

INCLS: 370/389.000; 370/392.000; 379/090.010; 379/093.070; 379/114.000

NCL NCLM: 370/352.000

NCLS: 370/389.000; 370/392.000; 379/090.010; 379/093.070; 379/114.000

IC [6]

ICM: H04L012-66

ICS: H04L012-28; H04L012-56

EXF 370/352; 370/383; 370/389; 370/390; 370/392; 370/401; 370/458; 370/410;
370/256; 379/67; 379/89; 379/93.07; 379/93.08; 379/93.25; 379/100.11;
379/114; 379/201; 379/207; 379/90.01; 455/436

L13 ANSWER 10 OF 17 USPATFULL

AN 1998:145064 USPATFULL

TI Dynamic allocation of port bandwidth in high speed packet-switched digital switching systems

IN Bonomi, Flavio, 526 Lowell Ave., Palo Alto, CA, United States 94301
Headrick, Kent H., 35266 Severn Dr., Newark, CA, United States 94560
Shah, Amit, 880 Bremerton Dr., Sunnyvale, CA, United States 94087

PI US 5838681 19981117

AI US 1996-590970 19960124 (8)

DT Utility

LN.CNT 1219

INCL INCLM: 370/395.000

INCLS: 370/477.000

NCL NCLM: 370/395.000

NCLS: 370/477.000

IC [6]

ICM: H04L012-56

EXF 370/229; 370/230; 370/232; 370/231; 370/234; 370/235; 370/236; 370/237;
370/389; 370/387; 370/388; 370/391; 370/392; 370/394; 370/395; 370/396;
370/397; 370/404; 370/405; 370/401; 370/408; 370/429; 370/477; 370/475;
370/535; 370/902; 370/905; 370/912

L13 ANSWER 11 OF 17 USPATFULL

AN 1998:129343 USPATFULL

TI Method, system and apparatus for telecommunications control

IN Christie, Joseph Michael, San Bruno, CA, United States

PA Sprint Communications Co.L.P., Kansas City, MO, United States (U.S.
corporation)

PI US 5825780 19981020

AI US 1995-568551 19951207 (8)

RLI Continuation of Ser. No. US 1994-238605, filed on 5 May 1994, now
abandoned

DT Utility

LN.CNT 1845

INCL INCLM: 370/522.000

NCL NCLM: 370/522.000

IC [6]

ICM: H04J003-12

EXF 370/58.2; 370/68.1; 370/110.1; 370/60; 370/60.1; 370/94.1; 370/94.2;
370/384; 370/410; 370/524; 370/522; 370/264; 379/220; 379/229; 379/230

L13 ANSWER 12 OF 17 USPATFULL

AN 1998:129335 USPATFULL

TI Distributed connection-oriented services for switched communications
networks

IN Dobbins, Kurt, Bedford, NH, United States
Grant, Thomas A., Derry, NH, United States
Ruffen, David J., Salem, NH, United States
Kane, Laura, Merrimack, NH, United States
Len, Theodore, Amherst, NH, United States
Andlauer, Philip, Londonderry, NH, United States
Bahi, David H., Manchester, NH, United States
Yohe, Kevin, Amherst, NH, United States
Fee, Brendan, Nashua, NH, United States
Oliver, Chris, Rochester, NH, United States
Cullerot, David L., Manchester, NH, United States

Skubisz, Michael, Durham, NH, United States
PA Cabletron Systems, Inc., Rochester, NH, United States (U.S. corporation)
PI US 5825772 19981020
AI US 1996-626596 19960402 (8)
RLI Continuation-in-part of Ser. No. US 1995-559738, filed on 15 Nov 1995,
now patented, Pat. No. US 5684800
DT Utility
LN.CNT 1686
INCL INCLM: 370/396.000
INCLS: 370/401.000; 370/410.000
NCL NCLM: 370/396.000
NCLS: 370/401.000; 370/410.000
IC [6]
ICM: H04L012-56
ICS: H04L012-44
EXF 370/216; 370/225; 370/238; 370/256; 370/395; 370/396; 370/400; 370/401;
370/402; 370/407; 370/408; 370/351; 370/410

L13 ANSWER 13 OF 17 USPATFULL
AN 1998:113340 USPATFULL
TI Method and apparatus for emulating a dynamically configured digital
cross-connect switch network
IN McLain, Jr., John V., Colorado Springs, CO, United States
Dellinger, James D., Colorado Springs, CO, United States
PA MCI Communications Corporation, Washington, DC, United States (U.S.
corporation)
PI US 5809286 19980915
AI US 1996-641458 19960501 (8)
DT Utility
LN.CNT 1678
INCL INCLM: 395/500.000
NCL NCLM: 395/500.440
IC [6]
ICM: G06F009-44
EXF 370/241; 370/242; 370/244; 370/250; 370/251; 370/252; 370/248; 370/249;
340/825.03; 340/826; 340/827; 364/550; 364/578; 395/500; 395/183.04;
395/183.05; 395/183.08; 395/183.09

L13 ANSWER 14 OF 17 USPATFULL
AN 1998:49512 USPATFULL
TI Method and apparatus for emulating a digital cross-connect switch
network
IN McLain, Jr., John V., Colorado Springs, CO, United States
PA MCI Corporation, Washington, DC, United States (U.S. corporation)
PI US 5748617 19980505